

Muhammad Bilal Naeem

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EDUCATION

Lahore University of Management Sciences, Lahore, Pakistan

- BS in Computer Science Aug 2017 – Jun 2021
 - CGPA: 3.66 / 4.0
 - SCGPA: 3.79 / 4.0
 - Relevant Courses: Topics in Computer and Network, Network Security, Network-Centric Computing, Fundamentals of Computer Systems, Advanced Programming, Principles and Techniques of Data Science, Machine Learning, Artificial Intelligence, Statistics, Probability, Deep Learning, Data Structures, Discrete Mathematics, Software Engineering,
 - Online Relevant Course: Udacity's Introduction to Machine Learning, Harvard's CS50, MIT's Introduction to Algorithm, Udacity's Introduction to Operating System, Fast.ai's Practical Deep Learning for Coders 1.

RESEARCH EXPERIENCE

Security Analysis for Data Leaks

- Paper created on condition of security in Outsourced v/s Inhouse apps and Developed v/s Developing World apps
- Second author with Dr. Fareed Zaffar(Ph.D Duke University), Dr. Rashid Tahir(Ph.D UIUC) and Faizan Ahmad (Security Engineer at Facebook)

Analysis of Inappropriate Ads in Children Games

Aug 2020 – Present

- Created a framework for automated analysis of inappropriate ads in Web and Android games

Research Work with Dr. Fareed Zaffar

May 2019 – Present

- API Data Leakage
- Android & Web Security
- Software Defined Networking

TEACHING EXPERIENCE

Lahore University of Management Sciences, Lahore, Punjab, Pakistan

- Teaching Assistant, Department of Computer Science, Fall 2019
CS 100-Introduction to Problem Solving with Dr Tariq Jadoon
- Teaching Assistant, Department of Computer Science, Spring 2020
CS 100-Introduction to Problem Solving with Dr Junaid Haroon Siddique
- Teaching Assistant, Department of Computer Science, Fall 2020
CS 225-Fundamentals of Computer Systems with Dr Agha Ali Raza
- Instructor, Code School.pk, Aug 2020 – Nov 2020
Python and Scratch Instructor

UNDERGRADUATE PROJECTS

- Principle and Techniques of Data Science
 - Project: Analysis of Ad Fraud Videos on Youtube
Supervisor: Dr Mobin Javed(PhD UC Berkeley)
Focus: Used regression algorithm to predict videos promoting Ad-Click Fraud on Youtube
- Madadgaar
 - Project: Blood and Plasma Donation Website
Focus: Co Founded and Developed a Blood and Plasma Donation System, which is being used to help people.
- Network Centric Computing
 - Project: DHT Based P2P File Sharing System
Focus: Developed a DHT based Self Scalable P2P file sharing Desktop Application using Python
- Softronix Inc.
 - Project: Servers Side APIs for Softronix Inc
Focus: Developed Server Side APIs and Windows services for Softronix Inc.'s Salesman Management App deployed at scale

LANGUAGES

- English: Fluent (speaking, reading, writing), Urdu: (native) & Punjabi (native)

SKILLS

- Python, C++, JS, Express JS, ASP.NET, GoLang, Haskell, Java, Android Development, Website Development, HTML, CSS, Stata, R

LEADERSHIP ROLES

- General Secretary, LSCSE (2019-2020)

**HONORS
& AWARDS**

- Director Media and Promotions, LSCSE (2018-2019)
- Dean's Honor List Academic Year 2019-2020
- Dean's Honor List Semester Spring 2018-2019
- Dean's Honor List Semester Fall 2017-2018
- National Outreach Program Scholarship at LUMS, Lahore(PKR 4.1 Million)